



JULY 12, 1999

PTAS
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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
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101032879A

UNITED STATES PATENT AND TRADEMARK OFFICE
 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/1999

REEL/FRAME: 9929/0828
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 ABOUL-HOSN, WALID N.

DOC DATE: 04/09/1999

ASSIGNOR:
 KANZ, WILLIAM RUSSELL

DOC DATE: 04/12/1999

ASSIGNEE:
 A-MED SYSTEMS, INC.
 2491 BOATMAN AVENUE
 WEST SACRAMENTO, CALIFORNIA 95691SERIAL NUMBER: 09231230
 PATENT NUMBER:FILING DATE: 01/14/1999
 ISSUE DATE:

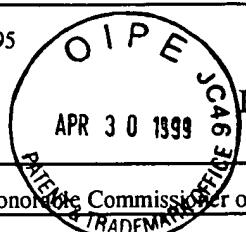
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MAR 04 2004

TECHNOLOGY CENTER R3700

MARY BENTON, EXAMINER
 ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS

7-19-99 B
 032301-041 765
 A-MED SYSTEMS

FORM PTO-1595
(Rev. 6/93)

05-10-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney's Docket No. 032301-041

To the Honorable Commissioner of Patents a.

Please return the attached original documents or copy thereof.

| | | |
|---|--|---|
| 1. Name of conveying party(ies): <u>Walid N. Aboul-Hosn and William Russell Kanz</u> | | 2. Name and address of receiving party(ies): Name: <u>A-MED Systems, Inc.</u> Address: <u>2491 Boatman Avenue</u> <u>West Sacramento, CA 95691</u> |
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3. Nature of conveyance: [X] Assignment <input type="checkbox"/> Merger [] Security Agreement <input type="checkbox"/> Change of Name Other: _____ | | |
| Execution Date: <u>4/9/99 and 4/12/99</u> | | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) <u>(09/231,230)</u> B. Patent No.(s) | | |
| Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>T. Gene Dillahunt</u> Address: <u>BURNS, DOANE, SWECKER & MATHIS, L.L.P.</u> <u>P.O. Box 1404</u> <u>Alexandria, Virginia 22313-1404</u> | | 6. Total number of applications and patents involved: <u>1</u> |
| | | 7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> [x] Enclosed [x] Authorized to be charged to deposit account, if necessary |
| | | 8. Deposit account number: <u>02-4800</u> |
| DO NOT USE THIS SPACE | | |
| 9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>T. Gene Dillahunt, Reg. No. 25,423</u> Name of Person Signing <u>T. Gene Dillahunt</u> 4/22/99 Signature Date | | |
| Total number of pages including cover sheet, attachments, and document: <u>3</u> | | |

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

(05/04/1999 CVERACHA 00000020 09231320

(02 FC:581

(40.00 OP)

032301-041

Attorney's Docket No.

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by WALID N. ABOUL-HOSN, and WILLIAM RUSSELL KANZ, residing at SACRAMENTO, CA and SACRAMENTO, CA (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in ,
 which is a provisional application to be filed herewith; which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application;
 bearing Application No. 09/231,230, and filed on JANUARY 13, 1999; and

WHEREAS, A-MED SYSTEMS, INC., a corporation duly organized under and pursuant to the laws of CALIFORNIA and having its principal place of business at 2491 BOATMAN AVENUE, WEST SACRAMENTO, CA 95691 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

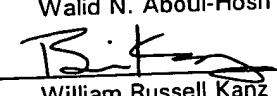
AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever

Application No. 09/231,320
Attorney's Docket No. 032301-041

counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 4-9-99 Signature of Assignor 
Walid N. Aboul-Hosn

Date 4/12/99 Signature of Assignor 
William Russell Kanz



PATENT

Attorney's Docket No. 9261.16761-CIP 3

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: *(check one applicable item below)*

original
 design
 supplemental

NOTE: *If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items.*

national stage of PCT

NOTE: *If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.*

divisional
 continuation
 continuation-in-part (CIP)

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INVENTORSHIP IDENTIFICATION

WARNING: *If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION
METHODS AND SYSTEMS FOR PROVIDING RIGHT AND/OR LEFT
HEART SUPPORT DURING CARDIAC SURGERY

SPECIFICATION IDENTIFICATION

the specification of which: *(complete (a), (b) or (c))*

(a) is attached hereto.
(b) was filed on 11 January 2000 as Serial No. 09/481,730
and was amended on 14 August 2002, copy attached as Attachment 1.

NOTE: *Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.*

(c) was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____
(if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following item, if desired)

In compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) no such applications have been filed.
(e) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. S 119

| COUNTRY (OR INDICATE IF PCT) | APPLICATION NUM- BER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 37 USC 119 |
|---------------------------------|-------------------------|--------------------------------------|---|
| | | | <input type="checkbox"/> YES NO <input type="checkbox"/> |
| | | | <input type="checkbox"/> YES NO <input type="checkbox"/> |
| | | | <input type="checkbox"/> YES NO <input type="checkbox"/> |
| | | | <input type="checkbox"/> YES NO <input type="checkbox"/> |
| | | | <input type="checkbox"/> YES NO <input type="checkbox"/> |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. S 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Daniel D. Ryan (29,243)
John M. Manion (38,957)
Arnold J. Ericsen (16,879)
Patricia A. Limbach (50,295)

Joseph A. Kromholz (34,204)
Daniel R. Johnson (46,204)
Laura A. Dable (46,436)

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:

Daniel D. Ryan
RYAN KROMHOLZ & MANION, S.C.
Post Office Box 26618
Milwaukee, Wisconsin 53226-0618

Daniel D. Ryan
PHONE CALLS
(262) 783 - 1300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

| | | |
|---------------------------------|--|-------------------------------------|
| WALID (GIVEN NAME) | N (MIDDLE INITIAL OR NAME) | ABOUL-HOSN FAMILY (OR LAST NAME) |
| Inventor's signature | <i>Walid Aboulhosn</i> | |
| Date 02-11-04 | Country of Citizenship US | |
| Residence (City, State/Country) | FAIR OAKS, CALIFORNIA / US | |
| Post Office Address | 4625 CHICAGO AVENUE FAIR OAKS, CA 95628 | |

Full name of second joint inventor, if any

| | | |
|---------------------------------|--|-------------------------------|
| WILLIAM (GIVEN NAME) | R. (MIDDLE INITIAL OR NAME) | KANZ FAMILY (OR LAST NAME) |
| Inventor's signature | <i>Wallen R. Kanz</i> | |
| Date 02-11-04 | Country of Citizenship US | |
| Residence (City, State/Country) | SACRAMENTO, CALIFORNIA / US | |
| Post Office Address | 4695 FRANCIS COURT SACRAMENTO, CALIFORNIA 95822 | |

Full name of third joint inventor, if any

| | | |
|---------------------------------|--------------------------|-----------------------|
| (GIVEN NAME) | (MIDDLE INITIAL OR NAME) | FAMILY (OR LAST NAME) |
| Inventor's signature | | |
| Date | Country of Citizenship | |
| Residence (City, State/Country) | | |
| Post Office Address | | |

Full name of fourth joint inventor, if any

| | | |
|---------------------------------|--------------------------|-----------------------|
| (GIVEN NAME) | (MIDDLE INITIAL OR NAME) | FAMILY (OR LAST NAME) |
| Inventor's signature | | |
| Date | Country of Citizenship | |
| Residence (City, State/Country) | | |
| Post Office Address | | |

Full name of fifth joint inventor, if any

| | | |
|---------------------------------|--------------------------|-----------------------|
| (GIVEN NAME) | (MIDDLE INITIAL OR NAME) | FAMILY (OR LAST NAME) |
| Inventor's signature | | |
| Date | Country of Citizenship | |
| Residence (City, State/Country) | | |
| Post Office Address | | |

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION

[] Signature for sixth and subsequent joint inventors. Number of pages added _____

* * *

[] Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor.

* * *

[] Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47.

* * *

[x] Added page to combined declaration and power of attorney for US Priority Claim

* * *

[] Authorization of attorney(s) to accept and follow instructions from representative

* * *

(If no further pages form a part of this declaration then end this declaration with this page and check the following item:)

[] This declaration ends with this page

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR US PRIORITY CLAIM**

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120:

This application is a continuation based at least in part on and claiming priority to the following commonly-assigned and co-pending applications: U.S. Patent Application Serial No. 09/231,320, filed January 13, 1999 (which claims priority to U.S. Patent Application Serial No. 09/079,836, filed May 15, 1998), U.S. Patent Application Serial No. 08/933,566, filed September 19, 1997 (which claims priority to U.S. Patent Application Serial No. 08/891,456, filed July 11, 1997), International Patent Application Serial No. PCT/US599/13666, filed June 18, 1999 (which claims priority to U.S. Patent Application Serial No. 09/099,713, filed June 19, 1998 and U.S. Provisional Patent Application Serial No. 60/113,727, filed December 23, 1998), International Patent Application Serial No. PCT/US99/19537, filed August 27, 1999 (which claims priority to U.S. Provisional Patent Application Serial No. 60/098,118, filed August 27, 1998), U.S. Provisional Patent Application Serial No. 60/115,786, filed January 13, 1999, and U.S. Provisional Patent Application Serial No. 60/152,249, filed September 3, 1999.